

CLAIMS AMENDMENTS

Claim 1 (currently amended) A method of metered delivery of an insecticidal liquid

comprising the step of following steps:

communicating insecticidal liquid from the reservoir of a bubble-jet liquid emanator device into a capillary tube portion thereof;
vaporizing a portion of the liquid within the capillary tube portion; and
ejecting small droplets of the liquid at an ambient temperature from a the bubble-jet type liquid emanator device, thereby producing droplets of insecticidal liquid.

Claim 2 (canceled)

Claim 3 (currently amended) The method of Claim 1 in which the step of further comprising the following step:

controlling the temperature of vaporization of vaporizing the insecticidal liquid is performed at a temperature at least 30°C below the decomposition temperature of the insecticide therein.

Claim 4 (currently amended) The method of Claim 1 in which further comprising the step of dissolving a suitable gas is dissolved in the insecticidal liquid prior to vaporization thereof.

Claim 5 (currently amended) The method of Claim 1 further comprising a subsequent the step of imparting the droplets of insecticidal liquid with a static charge.

Claim 6 (currently amended) The method of Claim 5 wherein further comprising the step of controlling the static charge is at about -1x10⁴C/kg.

Claim 7 (previously presented) The method of Claim 1 in which the droplets attain a volume medium diameter of about 1 μm to about 7 μm .

Claim 8 (currently amended) A method of controlling insects comprising the step of controllably vaporizing a volume of insecticidal liquid contained within a capillary tube portion of a bubble-jet emanator device to form droplets of the liquid; and

delivering the droplets of the insecticidal liquid at an ambient temperature from a bubble-jet type liquid emanator device into the atmosphere.

Claim 9 (canceled)

Claim 10 (currently amended) The method of Claim 9- 8 in which the step of controllably vaporizing the volume of insecticidal liquid comprises activating an electronic circuit containing a resistive heating element coupled to the capillary tube portion to cause an essentially instantaneous, temporary increase in temperature of the capillary tube portion.

Claim 11-21 (cancelled)

Claim 22 (currently amended) The method of Claim 4 in which the gas is selected from one or more of the following group of gases: hydrogen, nitrogen, oxygen, air, helium, neon, argon, krypton, xenon, methane, ethane, ethylene, acetylene, N₂, CO₂, and O₂.

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